

ks

L'exemplaire filmé fut reproduit grâce à la  
générosité de:

Department of Rare Books  
and Special Collections,  
McGill University, Montreal

Les images suivantes ont été reproduites avec le  
plus grand soin, compte tenu de la condition et  
de la netteté de l'exemplaire filmé, et en  
conformité avec les conditions du contrat de  
filmage.

d

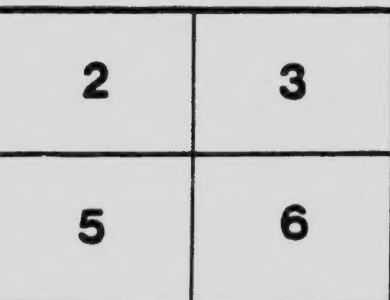
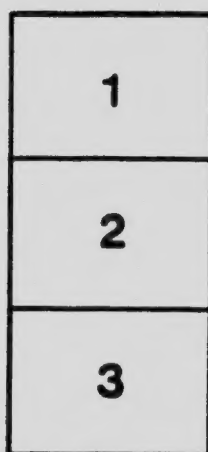
-

e

Les exemplaires originaux dont la couverture en  
papier est imprimée sont filmés en commençant  
par le premier plat et en terminant soit par la  
dernière page qui comporte une empreinte  
d'impression ou d'illustration, soit par le second  
plat, selon le cas. Tous les autres exemplaires  
originaux sont filmés en commençant par la  
première page qui comporte une empreinte  
d'impression ou d'illustration et en terminant par  
la dernière page qui comporte une telle  
empreinte.

Un des symboles suivants apparaîtra sur la  
dernière image de chaque microfiche, selon le  
cas: le symbole → signifie "A SUIVRE", le  
symbole ∇ signifie "FIN".

Les cartes, planches, tableaux, etc., peuvent être  
filmés à des taux de réduction différents.  
Lorsque le document est trop grand pour être  
reproduit en un seul cliché, il est filmé à partir  
de l'angle supérieur gauche, de gauche à droite,  
et de haut en bas, en prenant le nombre  
d'images nécessaire. Les diagrammes suivants  
illustrent la méthode.



# MICROCOPY RESOLUTION TEST CHART

(ANSI and ISO TEST CHART No. 2)



4.5

5.0

5.6

6.3

7.1

8.0

9.0

10

11.2

12.5

14.0

16.0

18.0

20

22.5

25.0

28.0

31.5

36.0

40.0

45.0

50.0

56.0

63.0

71.0

80.0

90.0

100

112

125

140

160

180

200

225

250

280

315

360

400

450

500

560

630

710

800

900

1000

1120

1250

1400

1600

1800

2000

2250

2500

2800

3150

3600

4000

4500

5000

5600

6300

7100

8000

9000

10000

11200

12500

14000

16000

18000

20000

22500

25000

28000

31500

36000

40000

45000

50000

56000

63000

71000

80000

90000

100000

112000

125000

140000

160000

180000

200000

225000

250000

280000

315000

360000

400000

450000

500000

560000

630000

710000

800000

900000

1000000

1120000

1250000

1400000

1600000

1800000

2000000

2250000

2500000

2800000

3150000

3600000

4000000

4500000

5000000

5600000

6300000

7100000

8000000

9000000

10000000

11200000

12500000

14000000

16000000

18000000

20000000

22500000

25000000

28000000

31500000

36000000

40000000

45000000

50000000

56000000

63000000

71000000

80000000

90000000

100000000

112000000

125000000

140000000

160000000

180000000

200000000

225000000

250000000

280000000

315000000

360000000

400000000

450000000

500000000

560000000

630000000

710000000

800000000

900000000

1000000000

1120000000

1250000000

1400000000

1600000000

1800000000

2000000000

2250000000

2500000000

2800000000

3150000000

3600000000

4000000000

4500000000

5000000000

5600000000

6300000000

7100000000

8000000000

9000000000

10000000000

11200000000

12500000000

14000000000

16000000000

18000000000

20000000000

22500000000

25000000000

28000000000

31500000000

36000000000

40000000000

45000000000

50000000000

56000000000

63000000000

71000000000

80000000000

90000000000

100000000000

112000000000

125000000000

140000000000

160000000000

180000000000

200000000000

225000000000

250000000000

280000000000

315000000000

360000000000

400000000000

450000000000

500000000000

560000000000

630000000000

710000000000

800000000000

900000000000

1000000000000

1120000000000

1250000000000

1400000000000

1600000000000

1800000000000

2000000000000

2250000000000

2500000000000

2800000000000

3150000000000

3600000000000

4000000000000

4500000000000

5000000000000

5600000000000

6300000000000

7100000000000

8000000000000

9000000000000

10000000000000

11200000000000

12500000000000

14000000000000

16000000000000

18000000000000

20000000000000

22500000000000

25000000000000

28000000000000

31500000000000

36000000000000

40000000000000

45000000000000

50000000000000

56000000000000

63000000000000

71000000000000

80000000000000

90000000000000

100000000000000

112000000000000

125000000000000

140000000000000

160000000000000

180000000000000

200000000000000

225000000000000

250000000000000

280000000000000

315000000000000

360000000000000

400000000000000

## **MEMORANDUM**

SENT TO

TEACHERS IN CHARGE OF MACDONALD  
SCHOOL GARDENS, 31<sup>ST</sup> MARCH, 1905.

**I** DESIRE to submit the following for your information and guidance in connection with the school garden work during the coming season :—

### **SOME WORK IN THE GARDEN EVERY DAY.**

I think each travelling instructor should request the teacher at every school to devote some time every day, when the weather is suitable, to work with the pupils in the school grounds and school garden. I would suggest that leaders might be appointed, each with a committee formed of the pupils of the school. These, of course, would carry on the work under the superintendence of the teacher. They might devote from a-quarter to a-half hour every day to such matters as the weeding of the paths between the plots, the weeding of the class beds, the care of trees and the general care of the lawn and play-grounds. I am confident that less than one-half hour per day devoted to this work would give the school grounds and garden a very nice appearance and would put the beds and the garden as a whole into such a condition as to let the children profit to the fullest extent by the weekly visits of the instructor.

### **PURPOSE RESTATED.**

I take this occasion to remind you that the garden is primarily to be used as a means for the education of the children. Incidentally and afterwards it should be used to interest the parents and to let the people of the locality see that the garden has also a practical use, in preparing the children to have greater love for beautiful premises at their own homes, and more ability in connection with the occupations of the locality when they grow up.

In addition to the single plots or beds to be managed by single children or children in pairs, I think there should be one bed, at least, assigned to a class of children as such. That might or might not be one of the illustration plots or beds of which I speak in the next paragraph.

### ILLUSTRATION PLOTS.

I think it desirable now to arrange for a series of illustration plots at each school. These beds need not lie side by side ; but they should be numbered so that a definite rotation might be followed in their use. I think it desirable that eight plots should be arranged for, each plot being of a size 10 ft. 5 in. x 20 ft. 10 in. That would make each plot  $1/200$  part of an acre in area.

On another sheet I send you a diagram which will illustrate the scheme which I think should be followed in the illustration plots. It has really a threefold purpose : to illustrate (1) the difference between the use of selected ; good seed and selected poor seed ; (2) the difference in the returns obtained from cereals when sown on land on which clover has been grown the previous year, and when sown on land on which grain only has been grown the previous year ; (3) the difference in the yield of potatoes when sprayed and when not sprayed.

In addition to these three points, the effect of rotation as illustrated in plots No. 1 to 6 could be compared with the results from plots No. 7 and 8.

The wheat (selected good and selected poor seed) should be, of course, of the same variety and, if practicable, from the same crop. I shall be able to furnish all the cereals required for these plots this year. I think the children should make selections of good and poor seed themselves, for following years.

The potatoes on plots 3 and 4 should be, of the same variety and put in under conditions as nearly similar as practicable, the only difference being in the treatment afterwards, in the one case the crop being sprayed and in the other case not sprayed.

### SPRAYING OUTFITS.

I thought it would be necessary to provide a spraying outfit for each school, considering the distances, the need for spraying the crop frequently during its growth and the weather conditions that might prevail.

*Paragraph from a later letter :* On the whole I think it better to have a spraying outfit left at each school. That will enable two of the older pupils to spray when the teacher thinks it necessary to have that done. Then I would be willing to let such pupils, either before or after school hours, or on Saturdays or other holi-

days, use the apparatus to spray the plots of potatoes of neighboring farmers. The earnings from that work might go, one-half to the boys themselves and the other half to the School Garden Fund.

#### **OUTSIDE LABOR TO GET PLOTS READY.**

In the preparation of those plots this spring, I think it necessary to arrange to have *the work of preparing these beds* done without calling on the children of the school for and manual labor in connection therewith. Please arrange at your early convenience to have some good man or men, under your care, lay out these plots and dig them. If they could be cut out in the grounds now in lawn or in sod, that would suit. Choose the site with an eye also to the keeping of these, "as a city set on a hill" I think each plot should be staked out and cultivated by hand every year. If you are not able to find one man who will undertake all this work at each school, perhaps you might arrange with the trustees, or some others, to come some one half day and do the whole job, as at a "School Bee." If they wanted any pay for that, I would be willing to pay them whatever you and they thought was fair for that work.

#### **SEEDS AND PLANS READY ON TIME.**

I think it desirable that you should have the plans for all your plot work made in good time and considered by the children and the school in order that the boys and girls might have for themselves plans of the beds and the seeds to be planted before the time for actual planting arrives.

JAS. W. ROBERTSON.

ROBERTSON, JAS. W.  
Highland.

Canadian  
plantings

# ILLUSTRATION PLOTS.

		FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
ALL MANURED ALIKE	1	GRASS OR CLOVER	POTATOES SPRAYED	WHEAT SELECTED GOOD SEED, WITH CLOVER
	2	GRASS OR CLOVER	POTATOES NOT SPRAYED	WHEAT SELECTED POOR SEED, WITH CLOVER
	3	POTATOES SPRAYED	WHEAT SELECTED GOOD SEED, WITH CLOVER	CLOVER
	4	POTATOES NOT SPRAYED	WHEAT SELECTED POOR SEED, WITH CLOVER	CLOVER
	5	WHEAT SELECTED GOOD SEED, WITH CLOVER	CLOVER	POTATOES SPRAYED
	6	WHEAT POOR SEED, WITH CLOVER	CLOVER	POTATOES NOT SPRAYED
NO MANURE	7	OATS, WITH CLOVER	BARLEY, WITH CLOVER	WHEAT, WITH CLOVER
	8	OATS, WITHOUT CLOVER	BARLEY, WITHOUT CLOVER	WHEAT, WITHOUT CLOVER



